# Mountain Weather Forecast

## Peak District National Park

Forecast valid from 06:00 on Sunday 23 Jul 2023 until 23:59 on Monday 24 Jul 2023

Forecast Issued on Sunday 23 Jul 2023 at 04:57

**Confidence:** High for a wet Sunday and for overall theme of sunshine and showers from Monday, ahead of a further wetter, windier spell midweek. Detail uncertain midweek onwards.

**Headline for Sunday 23 Jul 2023:** Extensively cloudy and wet with bursts of heavy rain. Some heavy showers developing Southern Peaks later.

**Mountain weather hazards on Sunday 23 Jul 2023**

**Blizzards**
No Likelihood

**Gales**
No Likelihood

**Thunderstorms**
Low Likelihood

**Heavy persistent snow**
No Likelihood

**Severe chill effect**
No Likelihood

**Heavy persistent rain**
High Likelihood

**Storm force winds**
No Likelihood

**Poor visibility**
High Likelihood

**Strong sunlight**
Low Likelihood

| **Weather and chance of precipitation at 600m** | | | | | |
|---|---|---|---|---|---|
| Time | | | | | |
| 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 |
| | | | | | |
| Heavy Rain | Heavy Rain | Heavy Rain | Heavy Rain | Heavy Rain | Light rain |
| Precipitation probability | | | | | |
| 70% | 90% | 90% | 60% | 60% | 60% |

**Forecast for Sunday 23 Jul 2023**

**Weather:** An extensively cloudy and wet day, with rain and drizzle likely persisting throughout. Occasional heavier pulses of rain expected, particularly across the Northern Peak District. There is a chance that rain may ease for a time in the south during the afternoon, allowing for some locally heavy showers to break out, however this remains uncertain.

**Chance of cloud-free hill tops above 600m:** 20%, chance of improving to 60% across southern hills for a time in the afternoon.

**Low cloud and visibility:** Extensive low cloud blanketing slopes above around 400m with cloud nearing valleys floors in the northwest. Chance of some improvements across the Southern Peaks in the afternoon to above 600m, however this is relatively low confidence. Visibility beneath cloud poor or very poor in heavy rain or drizzle, moderate in any showers that may develop and good during any afternoon lulls in the rain.

Check our weather forecast every day to get the most accurate and up to date information
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# Mountain Weather Forecast

**Forecast for Sunday 23 Jul 2023**

| Height (m) | Wind Speed mean/gusts (mph) Wind Direction (blowing from) | | | | | | |
|---|---|---|---|---|---|---|---|
| | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 | 00:00 |
| **600** | 14/17 W | 13/16 W | 10/14 N | 14/19 N | 18/25 NE | 20/28 NE | 21/29 NE |
| **300** | 10/15 SW | 12/17 W | 8/13 NW | 10/18 NE | 14/23 NE | 16/27 NE | 17/29 NE |
| **Valley** | 6/13 W | 7/14 W | 4/10 N | 10/20 NE | 14/29 NE | 16/32 NE | 16/32 NE |

| Height (m) | Temperature / Feels Like (°C) | | | | | | |
|---|---|---|---|---|---|---|---|
| | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 | 00:00 |
| **600** | 13/10 | 13/11 | 12/11 | 12/10 | 11/8 | 10/6 | 9/5 |
| **300** | 14/13 | 14/13 | 15/14 | 15/13 | 13/11 | 12/9 | 11/8 |
| **Valley** | 14/14 | 15/14 | 16/16 | 15/14 | 14/11 | 12/10 | 12/9 |
| **Freezing Level*** | 3000m | 3000m | 3000m | 2900m | 2900m | 2700m | 2600m |

**Level above which ground is expected to be frozen/snow is expected to settle.*

**Meteorologist's View**

The centre of the weather system driving Sunday's wet weather will be nearby throughout, with wind direction becoming low confidence. Watercourses likely to be swollen with surfaces wet and slippery underfoot. Low cloud will make for difficult navigation, especially across higher routes.

**Recent rainfall:** measured at Cat & Fiddle: altitude 511m

| Recorded at | Last 24 hours: | Last 48 hours: | Last 72 hours: |
|---|---|---|---|
| 02:00 on Sun 23 Jul 2023 | 43.4mm | 48.8mm | 50.2mm |

**Forecast for Monday 24 Jul 2023**

**Weather:** The rain that dominated the weekend forecast will clear away to the southeast through Monday morning, leaving much drier and brighter conditions. Some spells of strong sunshine developing with an outside chance of an isolated afternoon shower. Clear spells overnight. Temperatures near normal but feeling fairly warm in the sunshine.

**Maximum wind:** Northeast 20-25mph, gusting 30-35mph, easing north 10-15mph later.

**Chance of cloud-free hill tops above 600m:** 40% improving to 90% by mid to late morning.

**Low cloud and visibility:** Cloud bases around 500-600m at first, lifting clear of summits as rain clears to the southeast. Poor visibility in morning rain and drizzle, improving to very good by mid to late morning.

**Temperature:** **Valleys:** Plus 12 becoming 17 degrees Celsius.
**At 600m:** Plus 10 degrees rising to 14 degrees Celsius.
**Freezing level:** Well above the summits.

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